

Applicants: Andrew Hoffman
U.S.S.N. 09/616,483

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. –14. (Canceled)

15. (previously amended) A method for preventing or treating a respiratory condition of a mammal, comprising contacting one nare of said mammal with a drug delivery device for a mammal and delivering an effective dose of a therapeutic composition through said device in a single inhaled breath of said mammal, wherein said device comprises a cup-shaped body for enclosing only one external nare, an interfacing lumen the diameter of which does not enclose a second external nare of said mammal, and a unidirectional inhalation valve; does not extend into the nostril of said mammal; and lacks an exhalation valve.

16. (originally filed) The method of claim 15, wherein said mammal is selected from the group consisting of a horse, a cow, a sheep, and a goat.

17. (originally filed) The method of claim 15, wherein said mammal is a horse.

18. (originally filed) The method of claim 15, wherein said therapeutic composition is administered in the form of a plume of aerosolized particles.

19. (previously amended) The method of claim 18, wherein said particles do not exceed 10 microns in size and wherein said particles are delivered to small airways of the lung.

20. (previously amended) The method of claim 18, wherein said particles are in the size range of 3-5 microns and wherein said particles are delivered to small airways of the lung.

21. (previously amended) The method of claim 15, wherein said therapeutic composition is administered in the form of a dry powder.

22. – 35. (Canceled)

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36. (previously amended) A method for preventing or treating a respiratory condition of a mammal, comprising contacting one nare of said mammal with a drug delivery device for a mammal and delivering an effective dose of a therapeutic composition through said device in a single inhaled breath of said mammal, wherein particles of said therapeutic composition are maintained in a cloud suspension at a size suitable for gaining access to small airways of the lung in said holding chamber prior to inhalation by said mammal, wherein said device

comprises a cup-shaped body for enclosing only one external nare, comprises an interfacing lumen the diameter of which does not enclose a second external nare of said mammal; comprises a holding chamber for holding the drug in a cloud suspension, said holding chamber being in communication with said cup-shaped body and comprising a unidirectional inhalation valve located between said holding chamber and said cup-shaped body; does not extend into the nostril or mouth of said mammal; and lacks an exhalation valve.

37. (previously presented) The method of claim 36, wherein said mammal is selected from the group consisting of a horse, a cow, a sheep, and a goat.

38. (previously presented) The method of claim 36, wherein said mammal is a horse.

39. (previously presented) The method of claim 36, wherein said therapeutic composition is administered in the form of a plume of aerosolized particles.

40. (previously presented) The method of claim 39, wherein said particles do not exceed 10 microns in size and wherein said particles are delivered to small airways of the lung.

41. (previously presented) The method of claim 39, wherein said particles are in the size range of 3-5 microns and wherein said particles are delivered to small airways of the lung.

42. (previously presented) The method of claim 36, wherein said therapeutic composition is administered in the form of a dry powder.

43. – 45. (Canceled)

46. (new) The method of claim 15, wherein said device does not enclose the mouth of said mammal.

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47. (new) The method of claim 15, wherein said device comprises a patient-actuated inhalation valve.
48. (new) The method of claim 15, wherein said cup-shaped body comprises a flexible interface for contacting the face said mammal.
49. (new) The method of claim 48, wherein said interface is angled.
50. (new) The method of claim 48, wherein said interface is straight.
51. (new) The method of claim 15, wherein said device comprises a spacer holding chamber, said chamber being in communication with said cup-shaped body.
52. (new) The method of claim 51, wherein said chamber comprises a lumen for receiving a therapeutic agent.
53. (new) The method of claim 52, wherein said lumen is adapted to receive an aerosol container.
54. (new) The method of claim 52, wherein said lumen is adapted to receive a metered-dose inhaler (MDI) cannister.
55. (new) The method of claim 15, wherein said device lacks a rebreathing chamber.
56. (new) The method of claim 15, wherein the interior volume of said device is approximately 200-500 milliliters.
57. (new) The method of claim 36, wherein the length of said device is 6-9 inches.
58. (new) The method of claim 36, wherein said device does not enclose the mouth of said mammal.
59. (new) The method of claim 36, wherein said device comprises a patient-actuated inhalation valve.
60. (new) The method of claim 36, wherein said cup-shaped body comprises a flexible interface for contacting the face said mammal.

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61. (new) The method of claim 60, wherein said interface is angled.
62. (new) The method of claim 60, wherein said interface is straight.
63. (new) The method of claim 36, wherein said device comprises a spacer holding chamber, said chamber being in communication with said cup-shaped body.
64. (new) The method of claim 63, wherein said chamber comprises a lumen for receiving a therapeutic agent.
65. (new) The method of claim 64, wherein said lumen is adapted to receive an aerosol container.
66. (new) The method of claim 64, wherein said lumen is adapted to receive a metered-dose inhaler (MDI) cannister.
67. (new) The method of claim 36, wherein said device lacks a rebreathing chamber.
68. (new) The method of claim 36, wherein the interior volume of said device is approximately 200-500 milliliters.
69. (new) The method of claim 36, wherein the length of said device is 6-9 inches.